

CLAIMS

1. Method of current management in a battery powered device, the method
5 comprising the following steps:
 - a- comparing the actual supply voltage from the battery with a fixed
reference voltage,
 - b- generating a control signal whenever the supply voltage is below the
reference voltage,
 - 10 c- use the control signal to reduce the load current in the battery powered
device, whereby the supply voltage from the battery will increase,
 - d- repeat steps a,b and c as long as the supply voltage is below the reference
voltage.
- 15 2. Method as claimed in claim 1, wherein the battery powered device is an
amplifier in a hearing aid, and whereby the repetition frequency of steps a,b
and c is higher than the highest audio frequency of the hearing aid.
3. Method as claimed in claim 2 where the reference voltage is above a critical
20 supply voltage of the hearing aid.
4. Method of current management as claimed in claim 1 or 2, wherein the battery
is a zinc-air battery.
- 25 5. Method of current management as claimed in claim 1 or 2, wherein the battery
is a rechargeable battery.
6. Battery powered device with a battery giving a supply voltage to the device,
whereby means are provided for generating a fixed reference voltage and
30 means for comparing the supply voltage with the reference voltage, and where
the comparing means are arranged to deliver a control signal to the device
whenever the supply voltage is below the reference voltage, and where the

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device has means for reducing its current load at the receipt of the control signal.

- 5 7. A battery powered device as claimed in claim 6, where the device is an output amplifier in a hearing aid, and where the comparing means are arranged to conduct the comparing at a repetition frequency, which is above the highest audio frequency of the hearing aid.
- 10 8. A battery powered device as claimed in claim 6, where the battery is a zinc-air battery.
- 15 9. A battery powered device as claimed in claim 6, where the battery is a rechargeable battery.

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